

PART B - FEE(S) TRANSMITTAL

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00164

7590

11/16/2006

SENT VIA EXPRESS MAIL

LABEL NO.:

EV884206873US

KINNEY & LANGE, P.A.

THE KINNEY & LANGE BUILDING

312 SOUTH THIRD STREET

MINNEAPOLIS, MN 55415-1002

12/15/2006 WASFAW2 00000006 10726881

01 FC:1501

1400.00 OP

02 FC:1504

300.00 OP

Paul G. Koziol

(Depositor's name)

(Signature)

(Date)

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10726,881 | 12/03/2003 | Frank E. Stageberg | 169.12-0589 | 5390 |

TITLE OF INVENTION: HIGH GRADIENT DISC DRIVE WRITER

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1400 | \$300 | \$0 | \$1700 | 02/16/2007 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|------------------|----------|----------------|
| TUPPER, ROBERT S | 2627 | 360-126000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Kinney & Lange, P.A.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Seagate Technology LLC

Scotts Valley, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

☒ A check is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 11-0182 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature


Date

Typed or printed name Paul G. Koziol

Registration No. 58,515

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | |
|---|--------------------------|---------------------------------|
|  | Complete if Known | |
| | Application No. | 10/726,881 |
| | Filing Date | December 03, 2003 |
| | First Named Inventor | Frank E. Stageberg |
| | Group Art Unit | 2627 |
| | Examiner Name | Robert S. Tupper |
| Total Amount of Payment \$1,700.00 | | Atty. Docket Number 169.12-0589 |

| <p style="text-align: center;">METHOD OF PAYMENT (Check One)</p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No. 11-0982. Deposit Account Name: Kinney & Lange, P.A. A duplicate copy of this communication is enclosed.</p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p> <p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">FILING FEE Appn. Type FEE/SMALL</th> <th style="text-align: center;">SEARCH FEES FEE/SMALL</th> <th style="text-align: center;">EXAM FEES FEE/SMALL</th> <th style="text-align: center;">FEES</th> </tr> </thead> <tbody> <tr> <td>Utility</td> <td style="text-align: center;">300 / 150</td> <td style="text-align: center;">500 / 250</td> <td style="text-align: center;">200 / 100</td> <td style="text-align: center;">—</td> </tr> <tr> <td>Design</td> <td style="text-align: center;">200 / 100</td> <td style="text-align: center;">100 / 50</td> <td style="text-align: center;">130 / 65</td> <td style="text-align: center;">—</td> </tr> <tr> <td>Reissue</td> <td style="text-align: center;">300 / 150</td> <td style="text-align: center;">500 / 250</td> <td style="text-align: center;">600 / 300</td> <td style="text-align: center;">—</td> </tr> <tr> <td>Provisional</td> <td style="text-align: center;">200 / 100</td> <td style="text-align: center;">-0- / -0-</td> <td style="text-align: center;">-0- / -0-</td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="5" style="text-align: right;">Subtotal (1) \$-0-</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Number Claims</th> <th style="text-align: center;">Prior</th> <th style="text-align: center;">Extra</th> <th style="text-align: center;">Fee from Fee Paid Below</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td style="text-align: center;">—</td> <td style="text-align: center;">=</td> <td style="text-align: center;">X</td> <td style="text-align: center;">=</td> </tr> <tr> <td>Indep.</td> <td style="text-align: center;">—</td> <td style="text-align: center;">=</td> <td style="text-align: center;">X</td> <td style="text-align: center;">=</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td></td> <td></td> <td style="text-align: center;">=</td> </tr> </tbody> </table> <p>Insert 3 and 20, or number previously paid if greater; Reissue see below</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Large Entity Fee Code</th> <th style="text-align: center;">Fee (\$)</th> <th style="text-align: center;">Small Entity Fee Code</th> <th style="text-align: center;">Fee (\$)</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1202</td> <td style="text-align: center;">50</td> <td style="text-align: center;">2202</td> <td style="text-align: center;">25</td> <td>Claims in excess of 20</td> </tr> <tr> <td style="text-align: center;">1201</td> <td style="text-align: center;">200</td> <td style="text-align: center;">2201</td> <td style="text-align: center;">100</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td style="text-align: center;">1203</td> <td style="text-align: center;">360</td> <td style="text-align: center;">2203</td> <td style="text-align: center;">180</td> <td>Multiple Dependent Claim</td> </tr> <tr> <td style="text-align: center;">1204</td> <td style="text-align: center;">200</td> <td style="text-align: center;">2204</td> <td style="text-align: center;">100</td> <td>Reissue Independent Claims Over Original Patent</td> </tr> <tr> <td style="text-align: center;">1205</td> <td style="text-align: center;">50</td> <td style="text-align: center;">2205</td> <td style="text-align: center;">25</td> <td>Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table> <p>3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 small) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 C.F.R. 1.16(s). <u>\$-0-</u></p> <p style="text-align: right;">Subtotal (2) \$-0-</p> | | FILING FEE Appn. Type FEE/SMALL | SEARCH FEES FEE/SMALL | EXAM FEES FEE/SMALL | FEES | Utility | 300 / 150 | 500 / 250 | 200 / 100 | — | Design | 200 / 100 | 100 / 50 | 130 / 65 | — | Reissue | 300 / 150 | 500 / 250 | 600 / 300 | — | Provisional | 200 / 100 | -0- / -0- | -0- / -0- | — | Subtotal (1) \$-0- | | | | | | Number Claims | Prior | Extra | Fee from Fee Paid Below | Total | — | = | X | = | Indep. | — | = | X | = | Multiple Dependent Claims | | | | = | Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Description | 1202 | 50 | 2202 | 25 | Claims in excess of 20 | 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 | 1203 | 360 | 2203 | 180 | Multiple Dependent Claim | 1204 | 200 | 2204 | 100 | Reissue Independent Claims Over Original Patent | 1205 | 50 | 2205 | 25 | Reissue claims in excess of 20 and over original patent | <p style="text-align: center;">FEE CALCULATION (Continued)</p> <p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Large Entity Fee Code</th> <th style="text-align: center;">Fee (\$)</th> <th style="text-align: center;">Small Entity Fee Code</th> <th style="text-align: center;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee paid</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1051</td> <td style="text-align: center;">130</td> <td style="text-align: center;">2051</td> <td style="text-align: center;">65</td> <td>Surcharge - Late filing fee or oath</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1052</td> <td style="text-align: center;">50</td> <td style="text-align: center;">2052</td> <td style="text-align: center;">25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1053</td> <td style="text-align: center;">130</td> <td style="text-align: center;">1053</td> <td style="text-align: center;">130</td> <td>Non-English specification</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1812</td> <td style="text-align: center;">2,520</td> <td style="text-align: center;">1812</td> <td style="text-align: center;">2,520</td> <td>For Filing a Request for Reexamination</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1251</td> <td style="text-align: center;">120</td> <td style="text-align: center;">2251</td> <td style="text-align: center;">60</td> <td>Extension for reply within first month</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1252</td> <td style="text-align: center;">450</td> <td style="text-align: center;">2252</td> <td style="text-align: center;">225</td> <td>Extension for reply within second month</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1253</td> <td style="text-align: center;">1,020</td> <td style="text-align: center;">2253</td> <td style="text-align: center;">510</td> <td>Extension for reply within third month</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1254</td> <td style="text-align: center;">1,590</td> <td style="text-align: center;">2254</td> <td style="text-align: center;">795</td> <td>Extension for reply within fourth month</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1255</td> <td style="text-align: center;">2,160</td> <td style="text-align: center;">2255</td> <td style="text-align: center;">1,080</td> <td>Extension for reply within fifth month</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1402</td> <td style="text-align: center;">500</td> <td style="text-align: center;">2402</td> <td style="text-align: center;">250</td> <td>Filing a brief in support of an appeal</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1403</td> <td style="text-align: center;">1,000</td> <td style="text-align: center;">2403</td> <td style="text-align: center;">500</td> <td>Request for oral hearing</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1814</td> <td style="text-align: center;">130</td> <td style="text-align: center;">2814</td> <td style="text-align: center;">65</td> <td>Terminal Disclaimer Fee</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1452</td> <td style="text-align: center;">500</td> <td style="text-align: center;">2452</td> <td style="text-align: center;">250</td> <td>Petition to revive - unavoidable</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1453</td> <td style="text-align: center;">1,500</td> <td style="text-align: center;">2453</td> <td style="text-align: center;">750</td> <td>Petition to revive - unintentional</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1501</td> <td style="text-align: center;">1,400</td> <td style="text-align: center;">2501</td> <td style="text-align: center;">700</td> <td>Utility/Reissue issue fee</td> <td style="text-align: right;">1400</td> </tr> <tr> <td style="text-align: center;">1502</td> <td style="text-align: center;">800</td> <td style="text-align: center;">2502</td> <td style="text-align: center;">400</td> <td>Design issue fee</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1460</td> <td style="text-align: center;">130</td> <td style="text-align: center;">1460</td> <td style="text-align: center;">130</td> <td>Petitions to the Commissioner</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1807</td> <td style="text-align: center;">50</td> <td style="text-align: center;">1807</td> <td style="text-align: center;">50</td> <td>Petitions related to provisional applications</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1806</td> <td style="text-align: center;">180</td> <td style="text-align: center;">1806</td> <td style="text-align: center;">180</td> <td>Submission of Information Disclosure Statement</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">8021</td> <td style="text-align: center;">40</td> <td style="text-align: center;">8021</td> <td style="text-align: center;">40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td style="text-align: right;">—</td> </tr> <tr> <td style="text-align: center;">1801</td> <td style="text-align: center;">790</td> <td style="text-align: center;">2801</td> <td style="text-align: center;">395</td> <td>Request for Continued Examination (RCE)</td> <td style="text-align: right;">—</td> </tr> <tr> <td colspan="5">Other fee (specify) <u>Publication Fee</u></td> <td style="text-align: right;">300</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">Subtotal (3) \$1,700.00</td> </tr> </tbody> </table> | Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description | Fee paid | 1051 | 130 | 2051 | 65 | Surcharge - Late filing fee or oath | — | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | — | 1053 | 130 | 1053 | 130 | Non-English specification | — | 1812 | 2,520 | 1812 | 2,520 | For Filing a Request for Reexamination | — | 1251 | 120 | 2251 | 60 | Extension for reply within first month | — | 1252 | 450 | 2252 | 225 | Extension for reply within second month | — | 1253 | 1,020 | 2253 | 510 | Extension for reply within third month | — | 1254 | 1,590 | 2254 | 795 | Extension for reply within fourth month | — | 1255 | 2,160 | 2255 | 1,080 | Extension for reply within fifth month | — | 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal | — | 1403 | 1,000 | 2403 | 500 | Request for oral hearing | — | 1814 | 130 | 2814 | 65 | Terminal Disclaimer Fee | — | 1452 | 500 | 2452 | 250 | Petition to revive - unavoidable | — | 1453 | 1,500 | 2453 | 750 | Petition to revive - unintentional | — | 1501 | 1,400 | 2501 | 700 | Utility/Reissue issue fee | 1400 | 1502 | 800 | 2502 | 400 | Design issue fee | — | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | — | 1807 | 50 | 1807 | 50 | Petitions related to provisional applications | — | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Statement | — | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | — | 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) | — | Other fee (specify) <u>Publication Fee</u> | | | | | 300 | | | | | | Subtotal (3) \$1,700.00 |
|---|------------------------------------|------------------------------------|--------------------------|--|--------------------------------|---------|-----------|-----------|-----------|---|--------|-----------|----------|----------|---|---------|-----------|-----------|-----------|---|-------------|-----------|-----------|-----------|---|---------------------------|--|--|--|--|--|------------------|-------|-------|----------------------------|-------|---|---|---|---|--------|---|---|---|---|---------------------------|--|--|--|---|--------------------------|----------|--------------------------|----------|-------------|------|----|------|----|------------------------|------|-----|------|-----|-----------------------------------|------|-----|------|-----|--------------------------|------|-----|------|-----|---|------|----|------|----|---|---|--------------------------|----------|--------------------------|----------|-----------------|----------|------|-----|------|----|-------------------------------------|---|------|----|------|----|--|---|------|-----|------|-----|---------------------------|---|------|-------|------|-------|--|---|------|-----|------|----|--|---|------|-----|------|-----|---|---|------|-------|------|-----|--|---|------|-------|------|-----|---|---|------|-------|------|-------|--|---|------|-----|------|-----|--|---|------|-------|------|-----|--------------------------|---|------|-----|------|----|-------------------------|---|------|-----|------|-----|----------------------------------|---|------|-------|------|-----|------------------------------------|---|------|-------|------|-----|---------------------------|-------------|------|-----|------|-----|------------------|---|------|-----|------|-----|-------------------------------|---|------|----|------|----|---|---|------|-----|------|-----|--|---|------|----|------|----|--|---|------|-----|------|-----|---|---|--|--|--|--|--|------------|--|--|--|--|--|--------------------------------|
| | FILING FEE Appn. Type FEE/SMALL | SEARCH FEES FEE/SMALL | EXAM FEES FEE/SMALL | FEES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utility | 300 / 150 | 500 / 250 | 200 / 100 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design | 200 / 100 | 100 / 50 | 130 / 65 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reissue | 300 / 150 | 500 / 250 | 600 / 300 | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provisional | 200 / 100 | -0- / -0- | -0- / -0- | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal (1) \$-0- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Number Claims | Prior | Extra | Fee from Fee Paid Below | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | — | = | X | = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Indep. | — | = | X | = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Dependent Claims | | | | = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1202 | 50 | 2202 | 25 | Claims in excess of 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1203 | 360 | 2203 | 180 | Multiple Dependent Claim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1204 | 200 | 2204 | 100 | Reissue Independent Claims Over Original Patent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1205 | 50 | 2205 | 25 | Reissue claims in excess of 20 and over original patent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Large Entity Fee Code | Fee (\$) | Small Entity Fee Code | Fee (\$) | Fee Description | Fee paid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1051 | 130 | 2051 | 65 | Surcharge - Late filing fee or oath | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1053 | 130 | 1053 | 130 | Non-English specification | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1812 | 2,520 | 1812 | 2,520 | For Filing a Request for Reexamination | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1254 | 1,590 | 2254 | 795 | Extension for reply within fourth month | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1255 | 2,160 | 2255 | 1,080 | Extension for reply within fifth month | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1814 | 130 | 2814 | 65 | Terminal Disclaimer Fee | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1452 | 500 | 2452 | 250 | Petition to revive - unavoidable | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1453 | 1,500 | 2453 | 750 | Petition to revive - unintentional | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1501 | 1,400 | 2501 | 700 | Utility/Reissue issue fee | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1502 | 800 | 2502 | 400 | Design issue fee | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1807 | 50 | 1807 | 50 | Petitions related to provisional applications | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Statement | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other fee (specify) <u>Publication Fee</u> | | | | | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Subtotal (3) \$1,700.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Signature: Paul G. Koziol Reg. No. 58,515

Date: 12/13/06 Deposit Account No. 11-0982



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor : Frank E. Stageberg

Appln. No. : 10/726,881

Filed : December 03, 2003

Title : HIGH GRADIENT DISC DRIVE WRITER

Docket No. : I69.12-0589

Group Art Unit: 2627

Examiner: Robert S.
Tupper

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Respectfully submitted,

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Date: 12/13/06

By 

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